

# "THE CINCINNATI" ELECTRIC TOOLS

## ELECTRIC DRILLS

Ball Bearing Universal Motor for A.C. and D.C.



Regular equipment, 3-jaw geared chuck, 10-foot rubber covered cable and steel-clad attachment plug. Heavy duty ball bearing drill especially adapted for drilling in steel, brass, aluminum, sheet metal, etc.

Type	Volts	Capacity in Steel, In.	No Load Speed	Wt. Lbs.	Price Each
ULS	110	1/4	2000	6	\$34.00
UAS	110	1/4	1700	6 1/2	40.00
UBS	110	1/4	1600	7	44.00
UK	110	3/8	1200	9	48.00

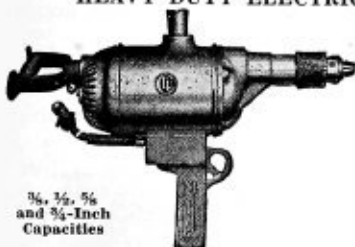
## 1/4-INCH STANDARD DUTY ELECTRIC DRILL

Especially adapted for garages, service stations, and general maintenance work in industrial plants of all kinds.

Regular equipment, 3-jaw geared chuck, 10-foot rubber covered cable and steel-clad attachment plug.

Type	Volts	Capacity in Steel, In.	No Load Speed	Wt. Lbs.	Price Each
UO	110	1/2	550	14	\$50.00

## HEAVY DUTY ELECTRIC DRILLS



Heavy duty drills, especially adapted for production and maintenance work in industrial plants of all kinds.

Type	Volts	Capacity in Steel, In.	No Load Speed	Wt. Lbs.	Price Each
UT	110	3/8	800	14	\$50.00
UN	110	1/2	550	17	65.00
UE	110	5/8	450	19	70.00
UED (2sp)	110	5/8	450-750	20	82.00
UW	110	3/4	400	22	78.00

## 3/8, 1/2, 5/8 AND 3/4-INCH HEAVY DUTY ELECTRIC DRILLS

### Single and Two Speeds

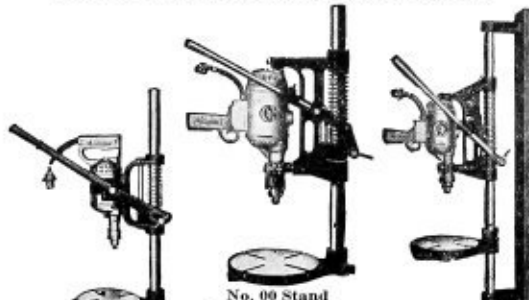
Powerful drills, suitable for production drilling of all kinds in steel, cast iron, brass, aluminum and sheet metal; also particularly adapted for the toughest wood-boring jobs. Regular equipment as illustrated, including 10-foot rubber covered cable and steel-clad attachment plug.

Type	Volts	Capacity in Steel, In.	No Load Speed	Wt. Lbs.	Price Each
UN	110	3/8	380	23	\$90.00
UR (2sp)	110	3/8	380-660	25	112.00
UP	110	1	335	30	98.00
UG*	110	1 1/4	290	35	135.00

\*Screw feed furnished standard equipment. Above drills furnished for 220 or 250 volts, same price.

# "THE CINCINNATI" ELECTRIC TOOLS

## BENCH AND POST DRILLING STANDS



No. 10 Drill Stand  
For Types ULS,  
UAS and UBS.  
Price, \$15.00

No. 00 Stand  
For Drills 1/2 to  
1 1/4-Inch  
Price, \$28.00  
No. 12 Stand for  
UO & UT Drills only  
Price, \$30.00

No. 00W Post Drill  
Stand for Drills  
1/2 to 1 1/4-Inch  
Price, \$36.00

## ELECTRIC SCREW DRIVER AND NUT SETTER

Ball Bearing Universal Motor for A.C. and D.C.



An indispensable tool for speeding up production in manufacturing plants of every description.

wherever there are screws to be driven or nuts to be set.

N1 will drive wood screws up to No. 12 by 2-inches long, lag screws up to 3/8 by 3 inches long, and nuts on bolts up to 1/4 inch in diameter.

N2 will drive wood screws up to No. 16 by 3 1/4 inches long, lag screws up to 3/8 by 4 inches long, and nuts on bolts up to 3/8 inch in diameter.

N3 will drive wood screws up to No. 20 by 4 inches long lag screws up to 3/8 by 4 1/2 inches long, and nuts on bolts up to 1/2 inch in diameter.

Equipment, two bits with centering sleeves, or one socket, as selected, 10-foot all-rubber cable and attachment plug.

Type	Volts	Speed R.P.M.	Wt. Lbs.	Dimens., Inches	Price Each
N1	110	450	7	3 1/4 x 13	\$50.00
N2	110	350	8	4 x 13	65.00
*N3	110	350	13	4 x 14 1/2	85.00

Reversing switch for backing out nuts or screws, \$10.00 extra.

Also furnished for 220, 250 and 32 volts, same price.

\*Type N3 equipped with switch in one side handle, the other detachable.

## ELECTRIC TAPPER



Universal Motor  
for  
A.C. and D.C.  
Ball Bearing

Capacity: Steel, 1/4-inch tap;  
Cast Iron, 3/8-inch tap;  
Brass and Aluminum, 5/8-inch tap.

Regular equipment, screw back chuck for holding taps, 10-foot all-rubber cable and attachment plug.

Especially designed for speedy tapping in metal-working industries of all kinds. A slight pressure on the spindle will drive the tap forward. Automatically reverses at fast speed, with slight backward pull when hole is tapped.

Type	Volts	Forward Speed R.P.M.	Reverse Speed R.P.M.	Wt. Lbs.	Price Each
UJ	110	350 RPM	500 RPM	7	\$70.00

Also furnished for 220, 250 and 32 volts, same price.

**"THE CINCINNATI" ELECTRIC TOOLS**
**6 AND 7-INCH BALL BEARING GRINDERS**  
 Alternating Current  
 Direct Current

For use in garages, service stations, repair shops, tool rooms, etc., for grinding small tools and light castings, also for polishing and buffing.

Type	Volts	Speed R.P.M.	2 Wheels Incl'd	Wt. Lbs.	Price Each
*BBA-AC	110	3400	6x1 1/2 x 1 1/2	40	\$36.00
BB -DC	115-230	3400	6x1 1/2 x 1 1/2	40	50.00
*BSA	110	3400	7x3/4 x 1 1/2	45	45.00
BS	115-230	3400	7x3/4 x 1 1/2	45	55.00

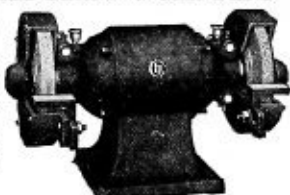
\*Also made in 220 or 440 volts, 60 cycles, 1, 2 or 3 phase, same price.

For other than 50 or 60 cycles, increase price 10 per cent. Speed for 25 cycles, 1500 R.P.M.; 40 cycles, 2400 R.P.M. Twist Drill Grinding Attachment for Grinding Drills 1/8-inch to 3/4-inch diameter, \$15.00.

Also furnished in floor type—prices on application.

**8 AND 10-INCH BALL BEARING GRINDERS**
 Alternating Current  
 Direct Current

Heavy Duty Bench Grinder, which is strongly recommended for heavy grinding of all kinds; also for buffing and polishing.



Type	Volts	H.P.	Speed R.P.M.	2 Wheels Incl'd	Wt. Lbs.	Price Each
*BBA-AC	110	1/2	3400	8x1 1/2 x 1 1/2	90	\$105.00
BB -DC	115-230	1/2	3400	8x1 1/2 x 1 1/2	90	105.00
*BSA-AC	110	1	1750	10x1 1/2 x 3/4	145	140.00
BO -DC	115-230	1	2000	10x1 1/2 x 3/4	145	140.00

\*Also made in 220 or 440 volts, 60 cycles, 1, 2 or 3 phase, same price.

For other than 50 or 60 cycles, increase price 10 per cent. Speed for 25 cycles, 1500 R.P.M.; 40 cycles, 2400 R.P.M. Twist Drill Grinding Attachment for Grinding Drills 1/8-inch to 1 1/4-inch diameter, \$17.50.

**8 AND 10-INCH BALL BEARING FLOOR GRINDERS**
 Alternating Current  
 Direct Current

Heavy Duty Floor Grinder, especially built for constant use. Motor is fully enclosed, dirt and dust-proof. Wheel guards are adjustable for wear of wheels and comply with safety regulations. Removable covers bolted to the guards enclose the side of wheels.

Type	Volts	H.P.	Speed R.P.M.	2 Wheels Incl'd	Wt. Lbs.	Price Each
*FHA-AC	110	3/4	3400	8x1 1/2 x 1 1/2	190	\$123.00
FH -DC	115-230	3/4	3400	8x1 1/2 x 1 1/2	190	123.00
*FOA-AC	110	1	1750	10x1 1/2 x 3/4	310	160.00
FO -DC	115-230	1	2000	10x1 1/2 x 3/4	310	160.00

\*Also made in 220 or 440 volts, 60 cycles, 1, 2 or 3 phase, same price.

For other than 50 or 60 cycles, increase price 10 per cent. Speed for 25 cycles, 1500 R.P.M.; 40 cycles, 2400 R.P.M.

**"THE CINCINNATI" ELECTRIC TOOLS****12, 14 and 18-INCH BALL BEARING FLOOR GRINDERS**

Alternating Current—Direct Current



Fully Enclosed Heavy Duty Floor Grinder suitable for heaviest grinding of all kinds.

Wheel guards have exhaust connections, adjustable eye shields, and are adjustable for wear of wheels.

Wheel guard covers completely enclose side of wheels.

Equipped with safety starting switch, mounted in the pedestal with push button control.

Type	Volts	H.P.	RPM	Speed	Wheels Rec'd	†	‡	Wt. Lbs.	Price Each
*HTA-AC	220-440	2	1750	12x2	x1 1/2	37 1/2	21	470	\$288.00
HT -DC	115-230	2	1700	12x2	x1 1/2	38	21	500	340.00
*HCA-AC	220-440	3	1750	14x2 1/2	x1 1/2	38	23 1/2	610	315.00
HC -DC	115-230	3	1600	14x2 1/2	x1 1/2	39	23 1/2	650	370.00
*FFA-AC	220-440	5	1160	18x3	x1 1/2	35	27	1050	425.00
FF -DC	115-230	5	1200	18x3	x1 1/2	35	27	1150	495.00

\*Made in 2 and 3 phase only.

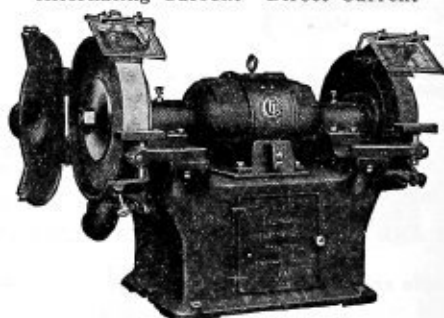
†Height to center of spindle in inches.

‡Distance between wheels in inches.

For other than 50 or 60 cycles, increase price 10 per cent. Speed for 25 cycles, 1500 R.P.M.; for 40 cycles, 2400 R.P.M. Grinding Wheels not included. Furnished on order.

**HEAVY DUTY ROLLER BEARING FLOOR GRINDER**

Alternating Current—Direct Current



Heavy Duty Roller Bearing Grinder, especially designed for the heaviest grinding or production work. Timken roller bearings are adjustable to wear. Wheel guards are adjustable and have hinged covers, exhaust connections, chip breakers and eye shields. Safety type starter, with push-button control.

Type	Volts	H.P.	Speed	Size	Wheels, In.	†	Wt.	Price
			R.P.M.				Lbs.	Each
*CFA-AC	220-440	5	1150	18x3	x2	42	1780	\$340.00
CF -DC	115-230	5	1150	18x3	x2	42	1900	695.00
*HGA-AC	220-440	5	1150	20x3	x2	42	1800	555.00
HG -DC	115-230	5	1150	20x3	x2	42	2000	620.00
*JSA-AC	220-440	7½	850	26x4	x2½	52½	2625	775.00
JS -DC	115-230	7½	850	26x4	x2½	52½	2840	895.00
*JTA-AC	220-440	10	850	26x4½	x2½	52½	2730	860.00
JT -DC	115-230	10	850	26x4½	x2½	52½	2940	1125.00

\*Made in 2 or 3 phase only.

†Distance between wheels in inches.

For other than 50 or 60 cycles, increase price 10 per cent. Grinding Wheels not included—furnished on order. Cast Steel Wheel Guards 10 per cent extra.

**"THE CINCINNATI" ELECTRIC TOOLS****VEE BELT BUFFERS—SINGLE AND DOUBLE MOTOR DRIVE**

**Vee-Belt Driven Buffers** designed for the heaviest polishing jobs on production work. Any spindle speed can be furnished and speeds are quickly changed by changing the motor pulley only. Nickel

steel spindles are mounted on four extra large ball-bearings running in oil. Overhanging spindle construction facilitates the handling of large work. Ball-bearing motors with safety type starters and push-button control.

**Single Motor Drive**

Type	HP	Dis. Shaft bet. Flanges	Dist. bet. Wheel Flanges	Dist. bet. Wheel Centers	Height to Center of Spindle	Wght. Lbs.	Price Each
COA	3	1 1/4"	3	5 1/4"	39	1300	\$395.00
EOA	5	1 1/4"	3	5 1/4"	39	1350	425.00
GOA	7 1/2	1 1/4"	3	5 1/4"	39	1550	475.00
HOA	10	1 1/4"	3	5 1/4"	39	1650	525.00
LOA	15	1 1/4"	3	5 1/4"	39	1900	625.00

**Double Motor Drive**

Type	HP	Dis. Shaft bet. Flanges	Dist. bet. Wheel Flanges	Dist. bet. Wheel Centers	Height to Center of Spindle	Wght. Lbs.	Price Each
DOA	two 3	1 1/4"	3	5 1/4"	39	1400	\$590.00
MOA	two 5	1 1/4"	3	5 1/4"	39	1475	640.00
NOA	two 7 1/2	1 1/4"	3	5 1/4"	39	1800	690.00
SOA	two 10	1 1/4"	3	5 1/4"	39	2000	775.00

\*Can furnish 1 1/2-inch shafts at standard list price.

For other than 50 or 60 cycles, increase price 10%. Direct Current prices on application.

**BALL BEARING FLOOR BUFFER AND POLISHING LATHE****Alternating Current  
Direct Current**

Floor Buffer and Polishing Lathe, adapted for polishing and buffing of any description.

For other than 50 or 60 cycles, increase price 10 per cent. Speed for 25 cycles, 1500 R.P.M.; for 40 cycles, 2400 R.P.M. Buffing Wheels not included—furnished on order.



Type	Volts	H.P.	Speed R.P.M.	†	‡	Wt. Lbs.	Price Each
*DHA-AC	110-220	3/4	3400	38	20 1/4"	175	\$120.00
DH -DC	115-230	1	3400	38	20 1/4"	175	120.00
*DRA-AC	110-220	1	1750	39	32	225	160.00
DR -DC	115-230	1	2800	39	32	225	170.00

\*Also furnished for 220 or 440 volts, 60 cycles, 1, 2 or 3 phase, same price.

†Height to center of spindle in inches.

‡Distance between wheels in inches.

**"THE CINCINNATI" ELECTRIC TOOLS****BALL BEARING FLOOR GRINDER AND BUFFER****Alternating Current  
Direct Current**

This machine offers an unusually wide range of work, as it can be used for grinding and buffing at the same time.

For other than 50 or 60 cycles, increase price 10 per cent.

Speed for 25 cycles, 1500 R.P.M.; for 40 cycles, 2400 R.P.M. Buffing Wheels not included—furnished on order. Grinding Wheels included with 3/4 and 1 H.P. only. Furnished on order for 2 and 3 H.P.

Type	Volts	H.P.	Speed R.P.M.	Size Wheel In.	†	‡	Wt. Lbs.	Price Each
*KHA-AC	110-220	3/4	3400	8x1	38	12	175	\$125.00
KH -DC	115-230	3/4	3400	8x1	38	12	175	125.00
*KRA-AC	110-220	1	1750	10x1	39	14 1/2	300	160.00
KR -DC	115-230	1	2000	10x1	39	14 1/2	300	170.00
*KTA-AC	220-440	2	1750	12x2	38	16	470	260.00
KT -DC	115-230	2	1700	12x2	38	13	500	340.00
*KVA-AC	220-440	3	1750	14x2 1/2	38	18 1/2	600	360.00
KV -DC	115-230	3	1700	14x2 1/2	38	16	650	360.00

\*Also furnished for 220 or 440 volts, 60 cycles, 1, 2 or 3 phase, same price.

†Made in 2 or 3 phase only.

‡Height to center of spindle in inches.

§Spindle extend open end in inches.

**BALL BEARING FLOOR BUFFER****Alternating Current  
Direct Current**

Fully Enclosed Buffer and Polishing Lathe, especially built for heavy polishing and buffing jobs of all kinds.



Type	Volts	H.P.	Speed R.P.M.	†	‡	Wt. Lbs.	Price Each
*DTA-AC	220-440	2	1750	37 1/2	36	425	\$255.00
DT -DC	115-230	2	1700	38	36	425	315.00
*DVA-AC	220-440	3	1750	38	42	475	290.00
DV -DC	115-230	3	1600	39	42	495	360.00
*DFA-AC	220-440	5	1750	38	42	510	330.00
DF -DC	115-230	5	1600	39	42	575	410.00

\*Made in 2 and 3 phase only.

†Height to center of spindle in inches.

‡Distance between wheels in inches.

For other than 50 or 60 cycles, increase price 10 per cent. Speed for 25 cycles, 1500 R.P.M.; for 40 cycles, 2400 R.P.M. Buffing Wheels not included. Furnished on order. Also furnished with extended spindle, if desired.

## "THE CINCINNATI" ELECTRIC TOOLS PORTABLE ELECTRIC GRINDER

Ball Bearing Universal Motor for A.C. and D.C.



Light weight Universal Motor Hand Grinder and Buffer. Especially adapted for grinding off gas and arc welds, also sanding, buffing and polishing of all kinds. An indispensable tool for the body builder, welding shop and garage.

Type	Volts	H.P.	No Load Speed	Wheel Incl'd	Weight Lbs.	Price Each
HBU	110	$\frac{3}{4}$	5500	4x $\frac{3}{4}$ x $\frac{1}{2}$	14	\$65.00
HBU	110	$\frac{1}{2}$	3600	5x1x $\frac{3}{8}$	23	80.00
NSU	110	$\frac{3}{4}$	3600	6x1x $\frac{3}{8}$	25	90.00

Also furnished for 220 or 250 volts, same price.

### PORTABLE ELECTRIC GRINDER

Ball Bearing—A.C. and D.C.

This Grinder can be carried to the work or suspended anywhere, as any length cord can be used. It will be found particularly handy where the work cannot be taken to the grinding machine.

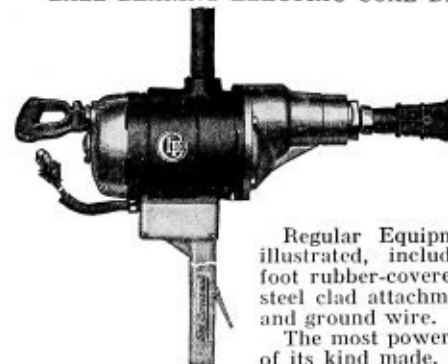


Type	Volts	H.P.	No Load Speed	Wheel Incl'd	Weight Lbs.	Price Each
*ABA-AC	110	$\frac{3}{4}$	3400	7x1 $\frac{1}{4}$ x $\frac{5}{8}$	45	\$110.00
AB-DC	115-230	$\frac{3}{4}$	3400	7x1 $\frac{1}{4}$ x $\frac{5}{8}$	45	110.00
*ABA-AC	110	1	3400	8x1 $\frac{1}{2}$ x $\frac{5}{8}$	80	140.00
AS-DC	115-230	1	2800	8x1 $\frac{1}{2}$ x $\frac{5}{8}$	80	150.00
†ABA-AC	220-440	1 $\frac{1}{2}$	3400	8x1 $\frac{1}{2}$ x $\frac{5}{8}$	90	165.00
AR-DC	115-230	1 $\frac{1}{2}$	2800	8x1 $\frac{1}{2}$ x $\frac{5}{8}$	90	175.00

\*Also furnished for 220 or 440 volts, 60 cycles, 1, 2 or 3 phase, same price. †Made in 2 or 3 phase only.

For 25 or 40 cycles, increase price 10 per cent. Speed for 25 cycles, 1500 R.P.M.; for 40 cycles, 2400 R.P.M.

### BALL BEARING ELECTRIC COAL DRILL



Regular Equipment—as illustrated, including 25-foot rubber-covered cable, steel clad attachment plug and ground wire.

The most powerful Drill of its kind made, size and weight considered. Gears are of special analysis alloy steel, heat-treated and hardened to withstand heavy strain and hard usage. Two-pole automatic switch.

Breast plate instead of spade handle if desired.

Type	Volts	No Load Speed	Weight Lbs.	Price Each
CH-DC	115-250	500	48	\$158.00
*GCA-AC	220-440	500	59	158.00
GCU-Unl.	110-250	600	47	158.00

\*Made in 2 or 3 phase only.

Type GCA, for other than 50 or 60 cycles, increase price 10 per cent.

## "THE CINCINNATI" ELECTRIC TOOLS TOOL POST GRINDERS

Tool Post Grinders, without feed and with horizontal feed, which are especially adapted for grinding lathe centers, cutters, reamers, dies, etc.; can also be used in a shaper or planer for surface grinding. Adjustable bronze bearings insure great accuracy at all times. The extension mandrel is a handy attachment for certain internal grinding jobs.



### Tool Post Grinder Without Feed

Alternating Current

Direct Current

A. C. speed for 25 cycles  
1500 R.P.M.  
A. C. speed for 40 cycles  
2400 R.P.M.

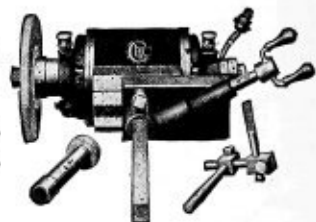
Type	Volts	H.P.	Speed R.P.M.	Wheel Incl'd	Wt. Lbs.	Price Each
*PA-AC	110	$\frac{3}{4}$	3400	6x $\frac{1}{2}$ x $\frac{1}{2}$	27	\$65.00
P-DC	115-230	$\frac{3}{4}$	4200	6x $\frac{1}{2}$ x $\frac{1}{2}$	17	65.00
*PHA-AC	110	$\frac{3}{4}$	3400	8x $\frac{3}{4}$ x $\frac{3}{8}$	45	95.00
PH-DC	115-230	$\frac{3}{4}$	2800	8x $\frac{3}{4}$ x $\frac{3}{8}$	42	105.00

### Tool Post Grinder With Feed

Alternating Current

Direct Current

A. C. speed for 25 cycles,  
1500 R.P.M.  
A. C. speed for 40 cycles,  
2400 R.P.M.



Type	Volts	H.P.	Speed R.P.M.	Wheel Incl'd	Wt. Lbs.	Price Each
*SA-AC	110	$\frac{3}{4}$	3400	6x $\frac{1}{2}$ x $\frac{1}{2}$	32	\$75.00
S-DC	115-230	$\frac{3}{4}$	4200	6x $\frac{1}{2}$ x $\frac{1}{2}$	22	80.00
*SSA-AC	110	$\frac{1}{2}$	3400	8x $\frac{3}{4}$ x $\frac{3}{8}$	55	105.00
SS-DC	115-230	$\frac{1}{2}$	2800	8x $\frac{3}{4}$ x $\frac{3}{8}$	50	110.00

\*Also furnished for 220 or 440 volts, 60 cycles, 1, 2 or 3 phase, same price.

For other than 50 or 60 cycles, increase price 10 per cent.

### PARALLEL GRINDER—VERTICAL FEED

Alternating Current  
Direct Current



Portable Heavy Duty Parallel Grinder, which is especially adapted for grinding spindles, rolls, journals, bushings, connecting rods and parallel work of all kinds.

Type	Volts	H.P.	Speed R.P.M.	Wheel Incl'd	Wt. Lbs.	Price Each
*TA-AC	110	$\frac{1}{2}$	3400	8x $\frac{3}{4}$ x $\frac{5}{8}$	60	\$115.00
T-DC	115-230	$\frac{1}{2}$	2800	8x $\frac{3}{4}$ x $\frac{5}{8}$	52	125.00
*TTA-AC	110	1	1750	10x1x $\frac{3}{4}$	96	150.00
TT-DC	115-230	1	2000	10x1x $\frac{3}{4}$	102	160.00
†TVA-AC	220-440	2	1750	12x1 $\frac{1}{2}$ x1	240	265.00
TV-DC	115-230	2	1600	12x1 $\frac{1}{2}$ x1	275	295.00
†TFA-AC	220-440	3	1750	14x2x1	260	295.00
TF-DC	115-230	3	1400	14x2x1	300	325.00

\*Also made in 220 or 440 volts, 60 cycles, 1 2 or 3 phase, same price. †Made in 2 or 3 phase only.

For other than 50 or 60 cycles, increase price 10 per cent. Speed for 25 cycles, 1500 R.P.M.; for 40 cycles, 2400 R.P.M.